

PTO/SB/08A (10-01)

Approved for use through 10/31/2002. OMB 0651-0031

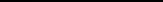
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

**Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.**

Substitute Application APTO		<i>Complete if Known</i>	
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> <i>(use as many sheets as necessary)</i>		Application Number	09/944,472
		Filing Date	August 30, 2001
		First Named Inventor	James J. Howarth
		Group Art Unit	2815
		Examiner Name	J. Diaz
Sheet	1	of	1
		Attorney Docket Number	2269-4348US (MUEI-0547.00/US)

## U.S. PATENT DOCUMENTS

## FOREIGN PATENT DOCUMENTS

Examiner Signature		Date Considered	5/8/00
--------------------	---	-----------------	--------

**\*EXAMINER:** Initial if reference considered, whether or not citation is in conformance with MPEP-609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

**Burden Hour Statement:** This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Form PTO-1449 <b>INFORMATION DISCLOSURE CITATION IN AN APPLICATION</b> <i>(Use several sheets if necessary)</i>			Docket Number (Optional) <b>4348US (MUEI- 0547.00/US)</b>	Application Number <b>09/944,472</b>		
			Applicant James J. H. warth			
			Filing Date August 30, 2001	Group Art Unit <u>Unknown</u> 2813		
<b>U.S. PATENT DOCUMENTS</b>						
EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
2	3,932,934	January 20, 1976	Lynch et al.			
2	4,142,286	March 6, 1979	Knuth et al.			
2	4,528,747	July 16, 1985	Hoffman et al.			
2	5,688,127	November 18, 1997	Staab et al.			
2	4,722,135	February 2, 1988	Read			
2	4,733,462	March 29, 1988	Kawatani			
2	4,810,154	March 7, 1989	Klemmer et al.			
2	4,940,181	July 10, 1990	Juskey, Jr. et al.			
2	4,975,079	December 4, 1990	Beaman et al.			
2	4,985,107	January 15, 1991	Conroy et al.			
2	5,006,792	April 9, 1991	Malhi et al.			
2	5,034,802	July 23, 1991	Liebes, Jr. et al.			
2	5,051,339	September 24, 1991	Friedrich et al.			
2	5,051,813	September 24, 1991	Schneider et al.			
2	5,056,216	October 15, 1991	Madou et al.			
2	5,074,036	December 24, 1991	Dunaway et al.			
2	5,155,905	October 20, 1992	Miller, Jr.			
2	5,164,818	November 17, 1992	Blum et al.			
2	5,189,507	February 23, 1993	Carlomagno et al.			
2	5,203,075	April 20, 1993	Angulas et al.			
2	5,255,431	October 26, 1993	Burdick			
2	5,329,423	July 12, 1994	Scholz			
2	5,337,219	August 9, 1994	Carr et al.			
2	5,376,010	December 27, 1994	Petersen			
2	5,400,220	March 21, 1995	Swamy			
2	5,403,671	April 4, 1995	Holzmann			
2	5,435,482	July 25, 1995	Variot et al..			
EXAMINER	DATE CONSIDERED <i>6/26/03</i>					
EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the applicant.						

Form PTO-1449

INFORMATION DISCLOSURE CITATION  
IN AN APPLICATION

(Use several sheets if necessary)

Docket Number (Optional)  
434BUS (MUEI-  
0547.00/US)Application Number  
09/944,472

Applicant James J. H. Warth

Filing Date August 30, 2001

Group Art Unit 2815

SEP 19 2001

## U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	5,435,732	July 25, 1995	Angulas et al.			
J	5,442,852	August 22, 1995	Danner			
L	5,446,960	September 5, 1995	Isaacs et al.			
P	5,453,581	September 26, 1995	Lieberman et al.			
D	5,459,287	October 17, 1995	Swamy			
D	5,463,191	October 31, 1995	Bell et al.			
D	5,477,086	December 19, 1995	Rostoker et al.			
D	5,477,933	December 26, 1995	Nguyen			
P	5,521,427	May 28, 1996	Chia et al.			
D	5,526,974	June 18, 1996	Gordon et al.			
G	5,528,461	June 18, 1996	Gore et al.			
D	5,556,293	September 17, 1996	Pfaff			
G	5,578,870	November 26, 1996	Farnsworth et al.			
D	5,611,705	March 18, 1997	Pfaff			
D	5,637,008	June 10, 1997	Kozel			
G	5,637,919	June 10, 1997	Grabbe			
G	5,639,323	June 17, 1997	Jordan			
D	5,646,447	July 8, 1997	Ramsey et al.			
D	5,669,774	September 23, 1997	Grabbe			
G	5,691,041	November 25, 1997	Frankeny et al.			
D	5,702,255	December 30, 1997	Murphy et al.			
D	5,716,222	February 10, 1998	Murphy			
D	5,726,502	March 10, 1998	Beddingfield			
D	5,730,606	March 24, 1998	Sinclair			
H	5,767,580	June 16, 1998	Rostoker			
H	5,770,891	June 23, 1998	Frankeny et al.			
D	5,796,590	August 18, 1998	Klein			

EXAMINER

DATE CONSIDERED

8/26/03

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the applicant.

**EXAMINER:** Initial if citation considered, whether or not citation is in conformance with MPEP § 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the applicant.



OCT 23 2002

PTO/SB/08A (10-01)

Approved for use through 10/31/2002. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

**Substitute for form 1449A/PTO**

## **INFORMATION DISCLOSURE STATEMENT BY APPLICANT**

(use as many sheets as necessary)

Sheet

1

nf

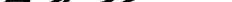
<i>Complete if Known</i>	
Application Number	09/944,472
Filing Date	August 30, 2001
First Named Inventor	James J. Howarth
Group Art Unit	2815
Examiner Name	S. Clark
Attorney Docket Number	4348US (MUEI-0547.00/US)

~~class~~ ~~sub~~ class

## **U.S. PATENT DOCUMENTS**

Examiner Initials *	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Parentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number - Kind Code <sup>2</sup> (if known)			
D		US- 3,678,385	07/18/1972	Bruner	
D		US- 3,882,807	05/13/1973	Montgomery	
D		US- 4,958,214	09/18/1990	Ries et al.	
D		US- 5,349,236	09/20/1994	Oshino et al.	
D		US- 5,369,550	11/29/1994	Kwon	
D		US- 5,378,924	01/03/1995	Liang	
D		US- 5,426,405	06/20/1995	Miller et al.	
D		US- 5,521,427	05/28/1996	Chia et al.	
D		US- 5,521,428	05/28/1996	Hollingsworth et al.	
D		US- 5,530,291	06/25/1996	Chan et al.	
D		US- 5,643,835	07/01/1997	Chia et al.	
D		US- 5,714,792	02/03/1998	Przano	
D		US- 5,766,978	06/16/1998	Johnson	
D		US- 5,793,618	08/11/1998	Chan et al.	
D		US- 5,892,245	04/06/1999	Hihon	
D		US- 5,936,849	08/10/1999	Fetterman	
D		US- 5,949,137	09/07/1999	Domadia et al.	
D		US- 5,982,027	11/09/1999	Corisis	
D		US- 6,007,357	12/28/1999	Perino et al.	
D		US- 6,048,744	04/11/2000	Corisis et al.	

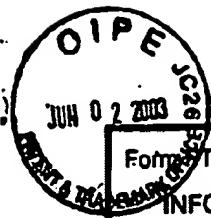
## **FOREIGN PATENT DOCUMENTS**

Examiner Signature		Date Considered	6/16/2023
--------------------	---	-----------------	-----------

~~'EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.~~

<sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See *Kinds Codes of USPTO Patent Documents* at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

**Burden Hour Statement:** This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, Washington, DC 20231.



(2-92)

Sheet 1 of 1

Form PTO-1449

INFORMATION DISCLOSURE CITATION  
IN AN APPLICATION

(Use several sheets if necessary)

Docket Number (Optional)  
4348US (MUEI-0547.00/US)Application Number  
09/944,472

Applicant James J. Warth

Filing Date August 30, 2001

Group Art Unit 2815

## U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE (IF APPROPRIATE)
2	5,150,194	09/1992	Brooks et al.			
2	5,327,008	07/1994	Djennas et al.			
2	5,468,991	11/1995	Lee et al.			
2	5,728,601	03/1998	Sato et al.			
2	5,861,654	01/1999	Johnson			
2	6,198,172 B1	03/2001	King et al.			
2	6,242,817 B1	06/2001	Grande et al.			
2	6,420,195	07/2002	King et al.			
2	6,518,098	02/2003	Corisis			
2	6,548,827 B2	04/2003	trie			

## FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	Translation	
						YES	NO

## OTHER DOCUMENTS

(Including Author, Title, Date, Pertinent Pages, Etc.)


EXAMINER

DATE CONSIDERED

3/11/04

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the applicant.

(2-92)

Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE



PTO/SB/08A (10-01)

Approved for use through 10/31/2002, OMB 0631-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Attachment for Form 1449A/ETD

## **INFORMATION DISCLOSURE STATEMENT BY APPLICANT**

fuse as many sheets as necessary)

Sheet 1 of

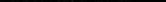
Substitute for form 1449A/PTO		<i>Complete if Known</i>	
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  <i>(use as many sheets as necessary)</i>		Application Number	09/944,472
		Filing Date	August 30, 2001
		First Named Inventor	James J. Howarth
		Group Art Unit	2813
		Examiner Name	J. Diaz
Sheet	1	of	1
		Attorney Docket Number	
		4348US (MUEI-0547.00/US)	

~~Class~~ ~~Superclass~~

## **U.S. PATENT DOCUMENTS**

RECEIVED  
OCT-5 2003  
THE BRITISH MUSEUM LIBRARIES

## FOREIGN PATENT DOCUMENTS

Examiner Signature		Date Considered	3/11/04
-----------------------	---	--------------------	---------

**EXAMINER:** Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

**Burden Hour Statement:** This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.



PTO/SB/08A (10-01)

Approved for use through 10/31/2002. OMB 0651-0031

U. S. Patent and Trademark Office U. S. DEPARTMENT OF COMMERCE

I understand the Paperwork Reduction Act of 1995: no person is required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/PTO

## **INFORMATION DISCLOSURE STATEMENT BY APPLICANT**

(use as many sheets as necessary)

8

of

Complete if Known	
Application Number	09/944,472
Filing Date	August 30, 2001
First Named Inventor	James J. Howarth
Group Art Unit	2815
Examiner Name	J. Diaz
Attorney Docket Number	2269-4348US (MUEI-0547.00/US)

**U.S. PATENT DOCUMENTS**

## **FOREIGN PATENT DOCUMENTS**

**Examiner  
Signature**

**Date  
Considered**

3/11/04

**EXAMINER:** initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

**Burden Hour Statement:** This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.



PTO/SB/08A (10-01)

Approved for use through 10/31/2002. OMB 0631-0031

**U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE**

**Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.**

## **INFORMATION DISCLOSURE STATEMENT BY APPLICANT**

(use as many sheets as necessary)

Sheet 1 of 2

<i>Complete if Known</i>	
Application Number	09/944,472
Filing Date	August 30, 2001
First Named Inventor	James J. Howarth
Group Art Unit	2815
Examiner Name	J. Diaz
Attorney Docket Number	4348US (MUEI-0547.00/US)

~~CLASS~~  
~~SUB CLASS~~

## **U.S. PATENT DOCUMENTS**

## **FOREIGN PATENT DOCUMENTS**

**Examiner  
Signature**

**Date  
Considered**

3/11/04

**\*EXAMINER:** Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kind Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST-3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup>Applicant is to place a check mark here if English language Translation is attached.

**Burden Hour Statement:** This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20311. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS; SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.